



I.F.W.

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Ineke Sweeney  
Name

Signature

Case 7900C

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of :  
Faiz F. Sherman, et al. :  
Serial No. 10/777,741 : Group Art Unit 1752  
Filed February 12, 2004 : Examiner  
For MICROVALVE FOR :  
CONTROLLING FLUID FLOW

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR §§1.56, 1.97 and 1.98, record is being made below of documents which the Patent Office may wish to consider in connection with examination of the above-identified patent application. As provided in §1.97(g), no representation is made or intended that a thorough art search was made. As provided in 37 CFR §1.98(h) this Information Disclosure Statement does not constitute an admission of any kind and specifically is not an admission that the documents listed on attached form SB-08 are, or are considered to be, material to the patentability of the above-identified patent application, as defined in 37 CFR §1.56(b).

This application is a continuation of application Serial No. 10/048,083, filed January 24, 2002. Applicants respectfully submit that in an effort to reduce the amount of paperwork submitted to the Patent Office and since the number of listed documents on the attached form SB-08 is quite extensive, a copy of each of the documents is not included herein. Applicants respectfully submit that each of the documents listed on the attached form SB-08 can be found in the Patent Office files for application Serial No. 10/048,083, filed January 24, 2002. This should not place any burden on the Examiner. However, Applicants agree to provide to the Examiner a copy of each of the listed documents if the Examiner requests such. It is respectfully requested that the materials listed be made of record in this application.

Respectfully submitted,

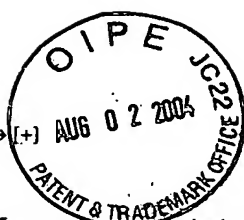
FAIZ F. SHERMAN, ET AL.

By

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July 26, 2004  
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PTO/SB08A (10-01)

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

SHEET 1 of 1

### COMPLETE IF KNOWN

Application Number	10/048,083
Confirmation Number	
Filing Date	January 24, 2002
First Named Inventor	F. F. Sherman et al.
Group Art Unit	
Examiner Name	
Attorney Docket Number	7900

### U. S. PATENT DOCUMENTS

EXAMINER INITIALS*	Cite No. <sup>1</sup>	DOCUMENT NUMBER Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
		2,468,430	04-26-1949	Derkson	
		3,838,299	09-24-1974	Elkuch	
		4,177,327	12-04-1979	Mathews et al.	
		4,913,983	04-03-1990	Cheiky	
		5,054,522	10-08-1991	Kowanz et al.	
		5,178,190	01-12-1993	Mettner	
		5,304,431	04-19-1994	Schumm, Jr.	
		5,400,824	03-28-1995	Gschwendtner et al.	
		5,449,569	09-12-1995	Schumm, Jr.	
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		5,631,514	05-20-1997	Garcia et al.	
		5,837,394	11/17/1998	Schumm, Jr.	
		6,074,775	06-13-2000	Gartstein et al.	
		6,163,131	12-19-2000	Gartstein et al.	

### FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS*	Cite No. <sup>1</sup>	FOREIGN PATENT DOCUMENT Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		WO 99/16096 A1	04-01-1999	MCNC		
		WO 99/37013 A1	07-22-1999	Seagate Technology, Inc.		
		EP 0 829 649 A2	03-18-1998	Fraunhofer Ges Forschung		X
		WO 01/09519 A1	02-08-2001	The Procter & Gamble Co.		
		WO 01/09520 A1	02-08-2001	The Procter & Gamble Co.		

### OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>6</sup>
		ERNEST J. GARCIA and JEFFRY J. SNIEGOWSKI, "Surface Micromachined Microengine," Elsevier Science S.A., 02/07/95, pgs. 203-214	
		FAIZ SHERMAN, ET AL, "In-Plane Microactuator for Fluid Control Application," The Eleventh Annual International Workshop on Micro Electro Mechanical Systems, 01/98	
		LEE A. P. ET AL, "Polysilicon Angular Microvibrators," Journal of Microelectromechanical Systems, 06/01/92, pgs. 70-76, vol. 1, no. 2, New York	
		TIEN N. C. ET AL, "Impact-Actuated Linear Microvibrators for Micro-Optical Systems On Silicon," Technical Digest of the International Electron Devices Meetings, 10/22/1995, pgs. 924-926, vol. Meeting 40, New York	

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of U.S. Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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